

FIG.\_1A

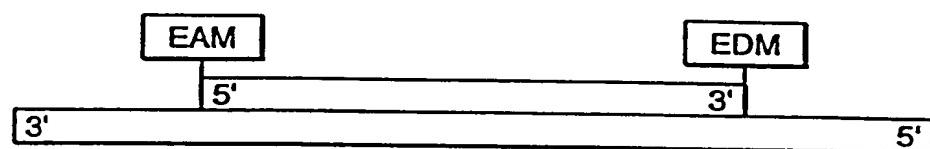


FIG.\_1B

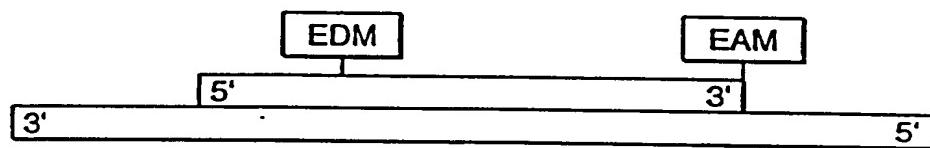


FIG.\_1C

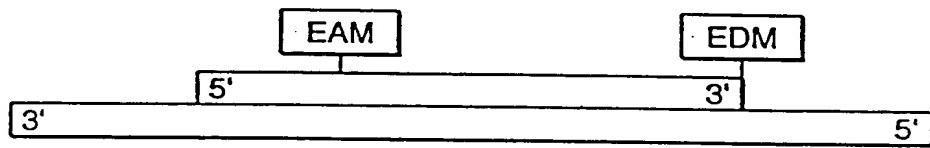


FIG.\_1D

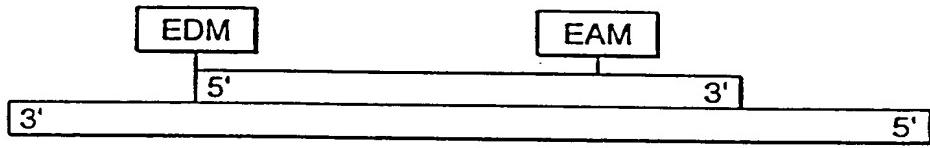


FIG.\_1E

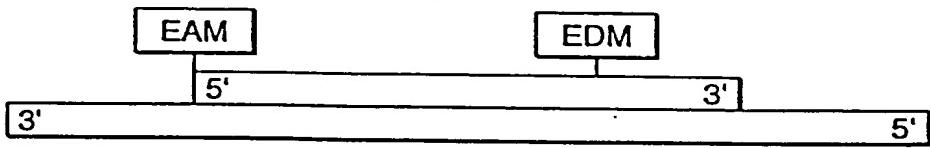


FIG.\_1F

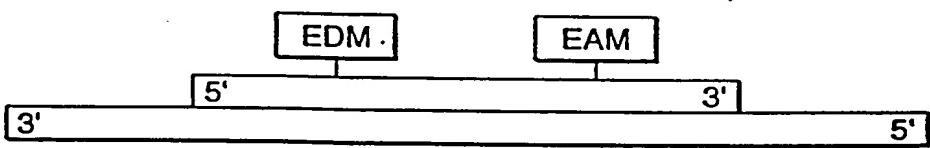


FIG.\_1G

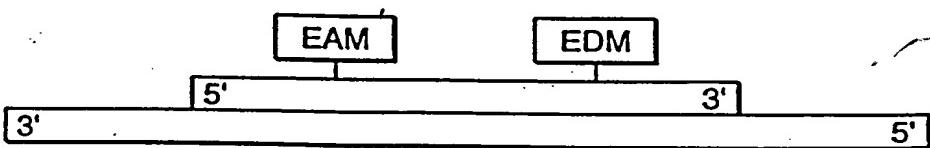
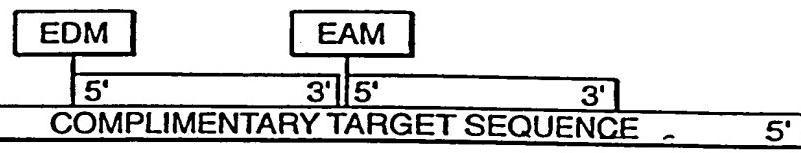
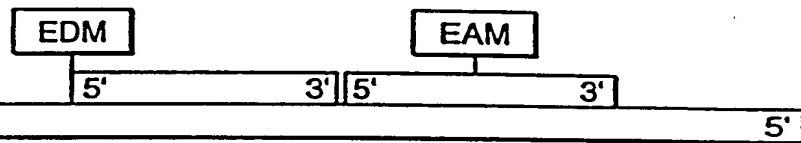


FIG.\_1H

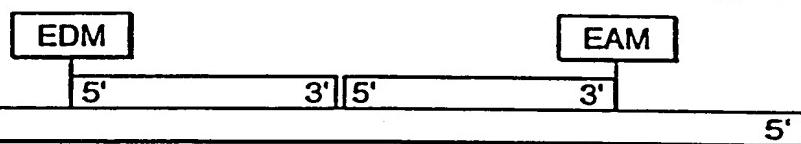
14



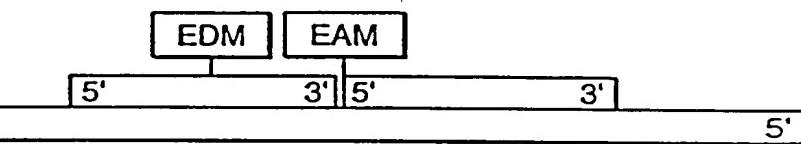
**FIG.. 2A-1** COMPLIMENTARY TARGET SEQUENCE



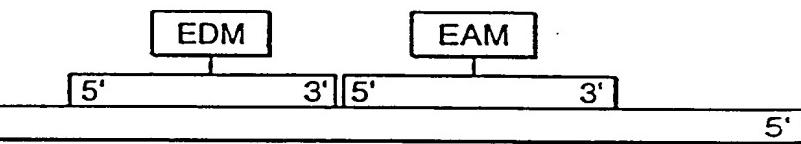
**FIG.. 2A-2** 3'



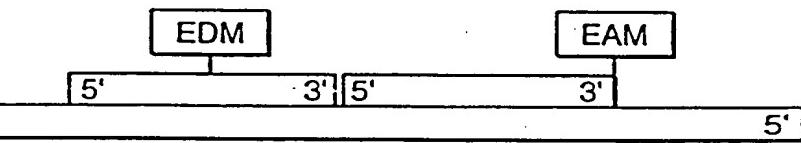
**FIG.. 2A-3** 3'



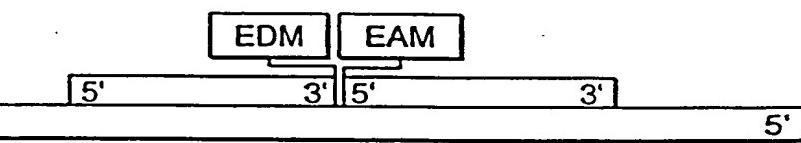
**FIG.. 2A-4** 3'



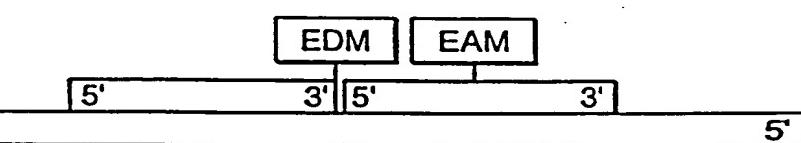
**FIG.. 2A-5** 3'



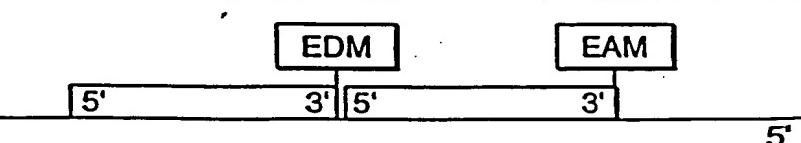
**FIG.. 2A-6** 3'



**FIG.. 2A-7** 3'



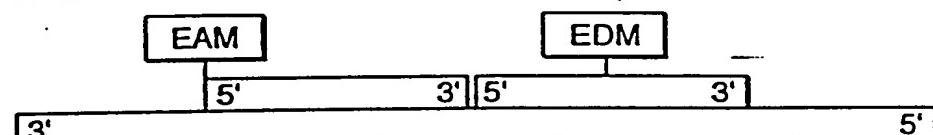
**FIG.. 2A-8** 3'



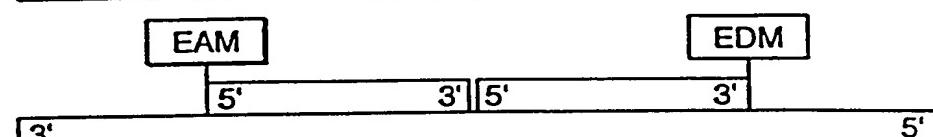
**FIG.. 2A-9** 3'



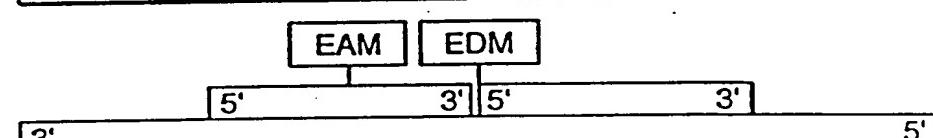
**FIG..-2B-1**



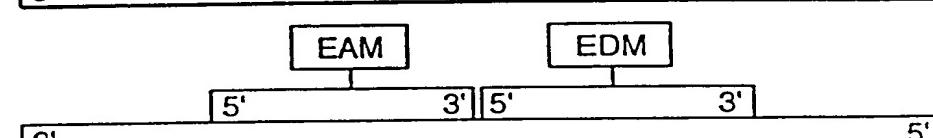
**FIG..-2B-2**



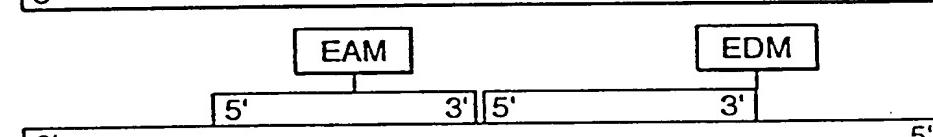
**FIG..-2B-3**



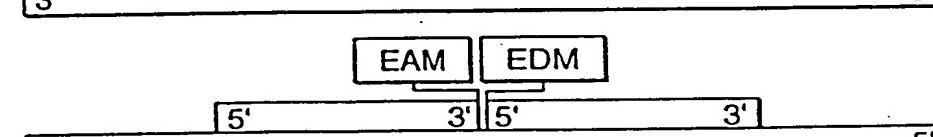
**FIG..-2B-4**



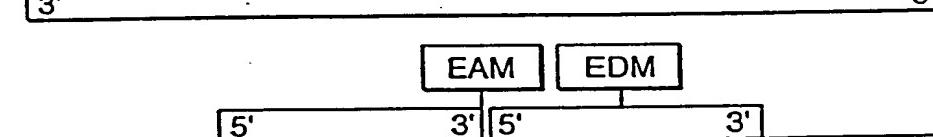
**FIG..-2B-5**



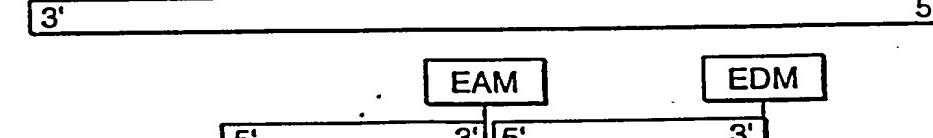
**FIG..-2B-6**



**FIG..-2B-7**



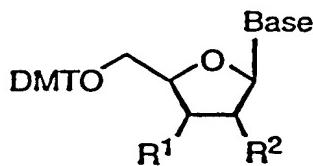
**FIG..-2B-8**



**FIG..-2B-9**



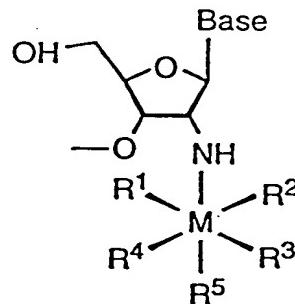
**FIG..-2**



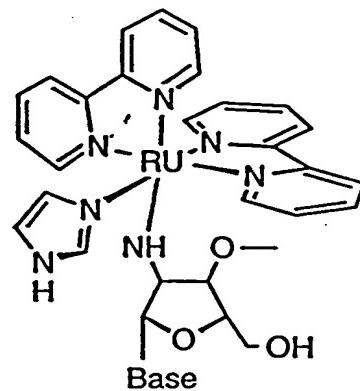
- (I)  $R^1 = H$      $R^2 = NH_2$   
 (II)  $R^1 = NH_2$      $R^2 = H$   
 (III)  $R^1 = NH_2$      $R^2 = OH$   
 (IV)  $R^1 = OH$      $R^2 = NH_2$

(Base) Adenine, guanine, cytosine, thymidine, uridine.

**FIG.\_3**



**FIG.\_4A**



**FIG.\_4B**

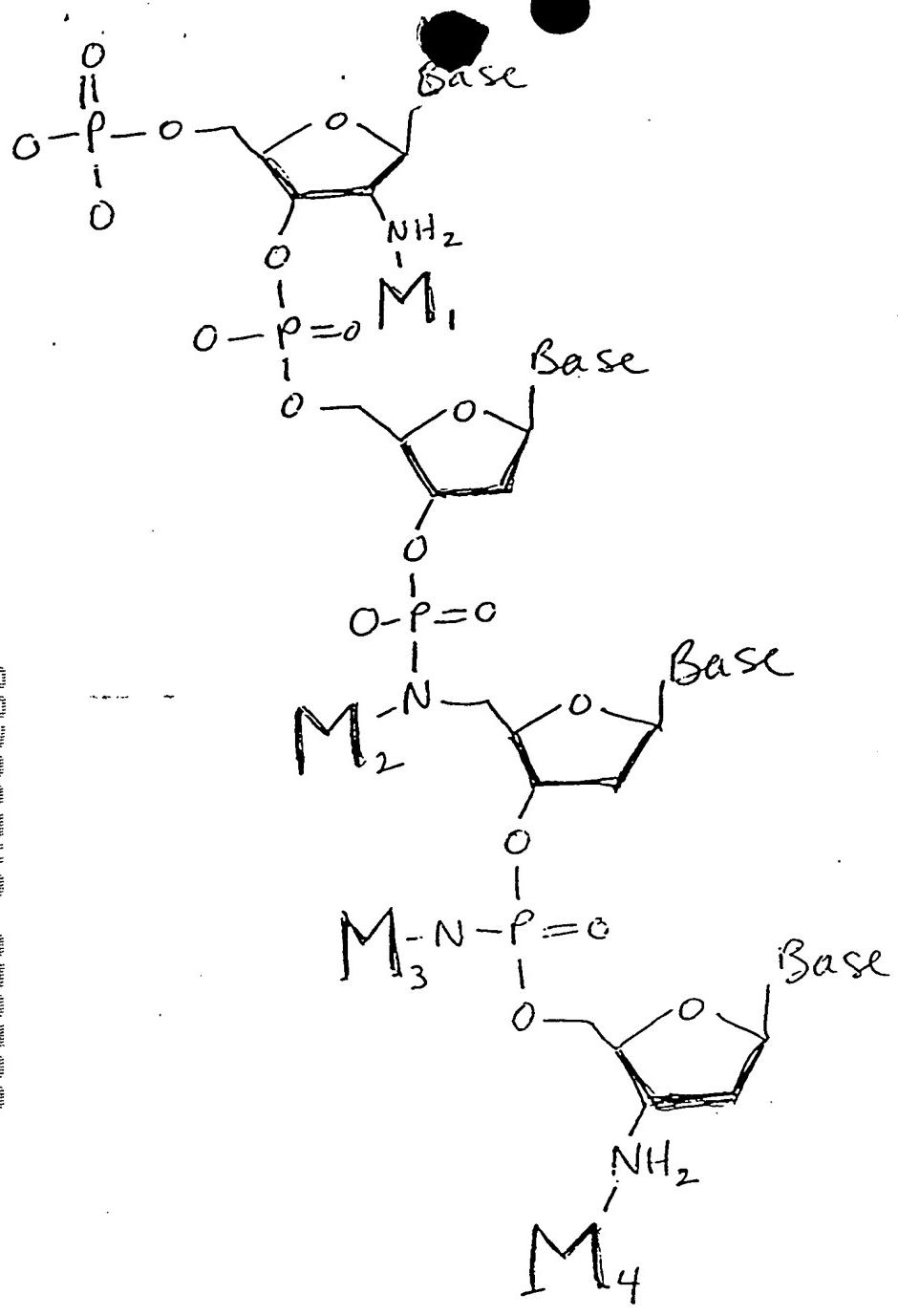


Figure 5

# Synthetic Scheme

*2'-amino-2'-deoxyuridine derivatized  
to control pore glass (CPG)*

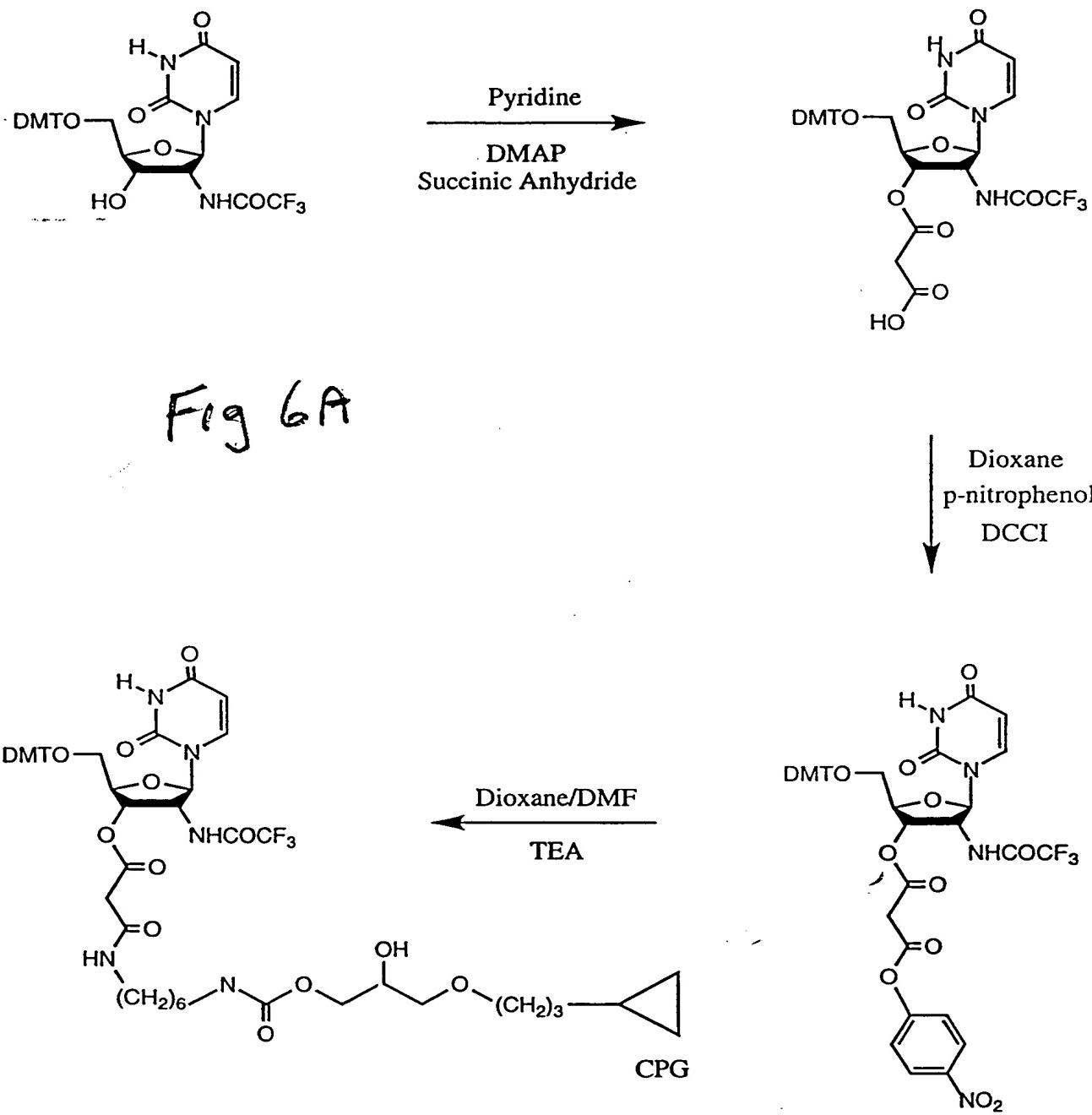
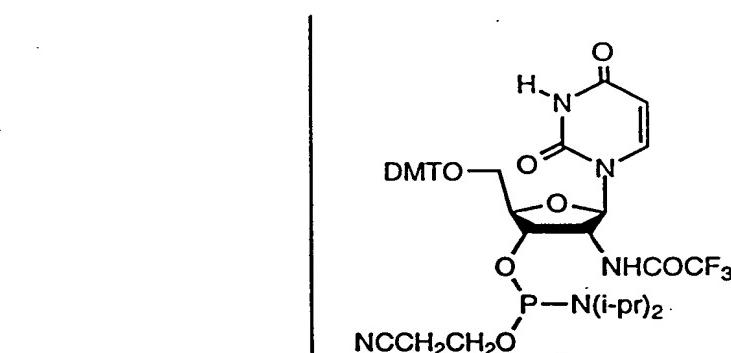
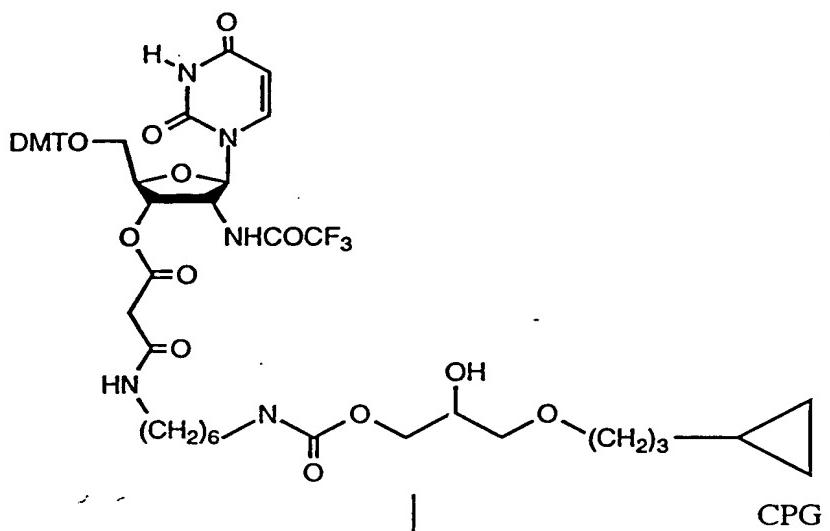


Fig 6A

or

Synthesis of  
Bis-2'-amino-2'-deoxyuridine



合成する化合物の構造式

Fig 6B

# Ruthenium Modification

Fig 6C

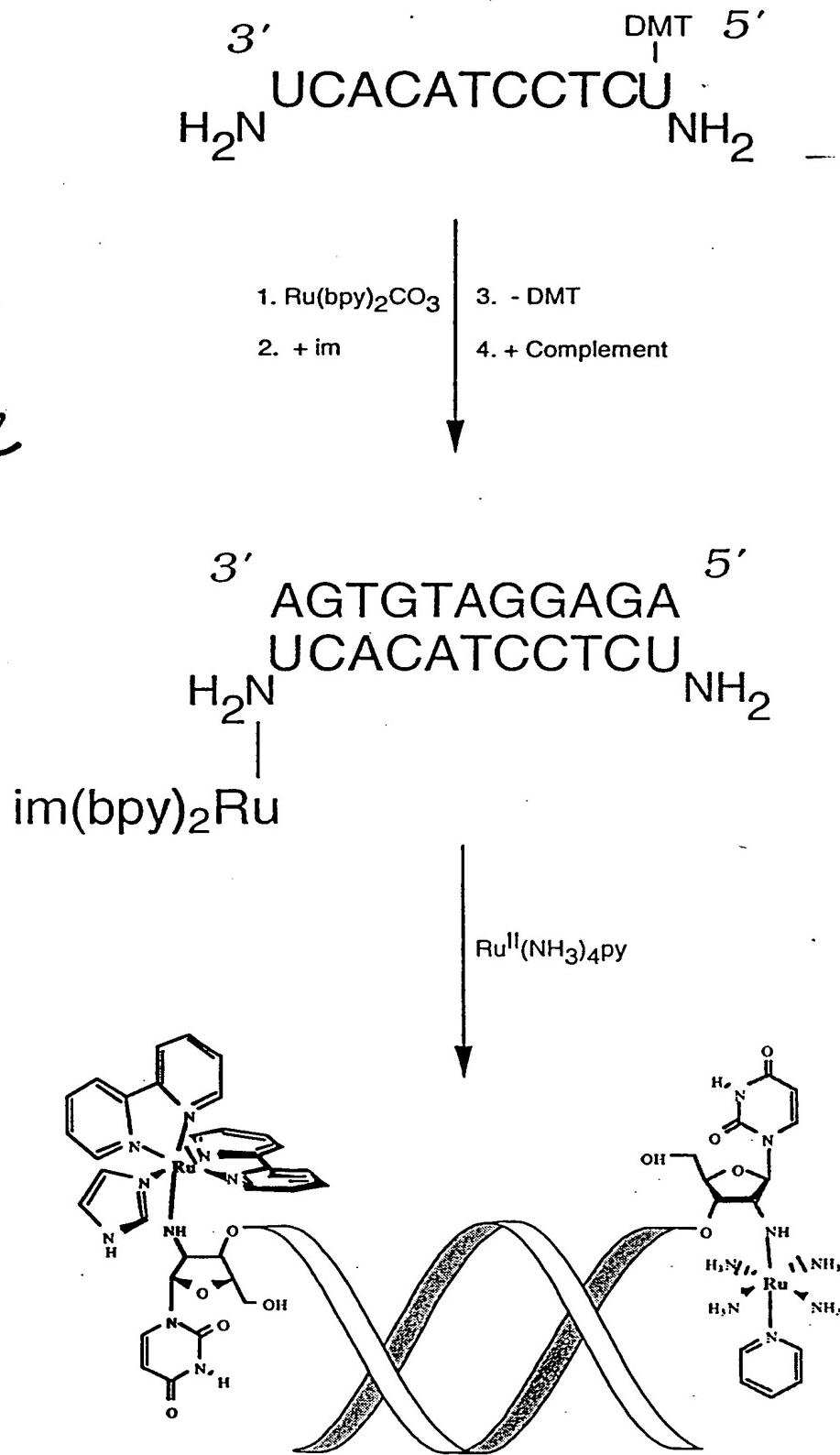
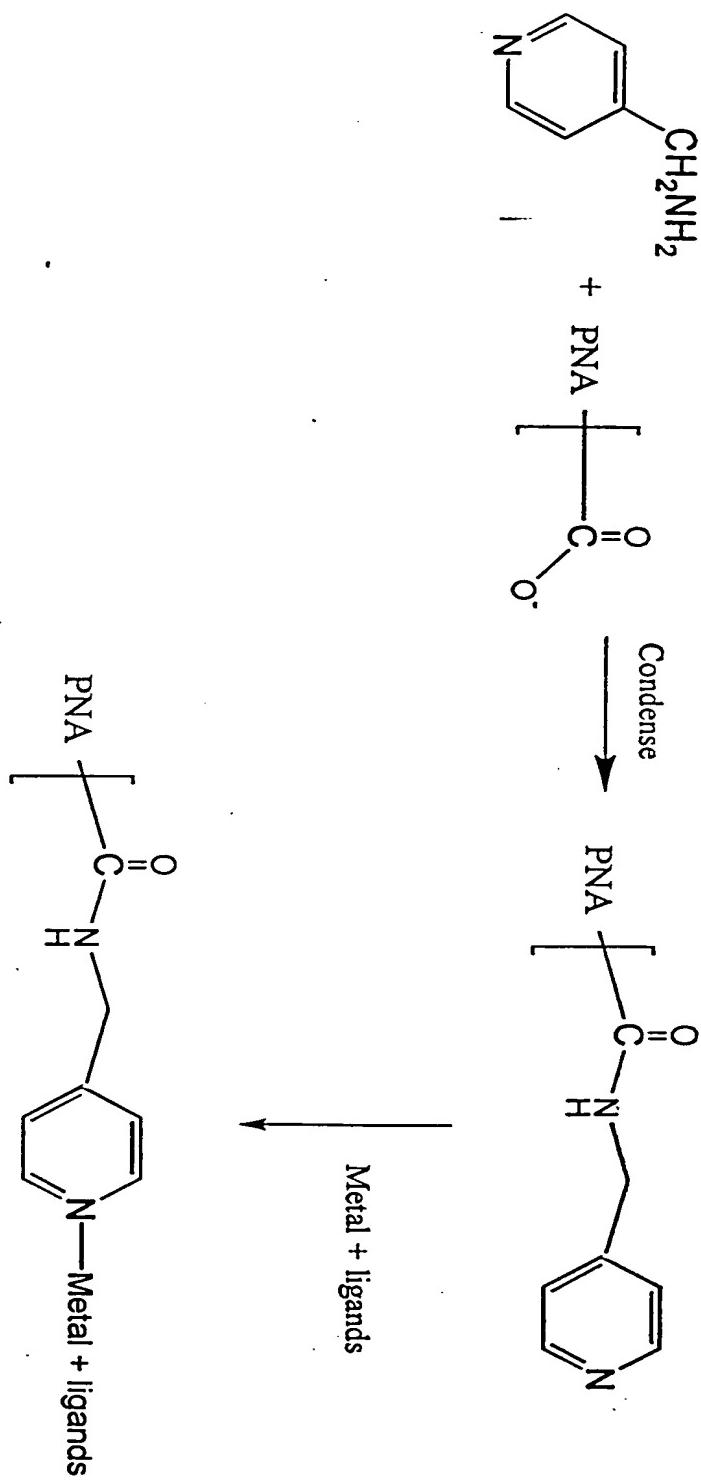


Fig 7



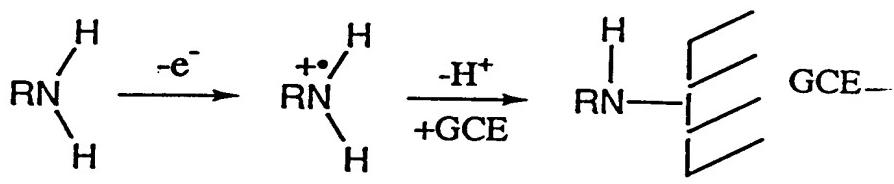


Figure 8A

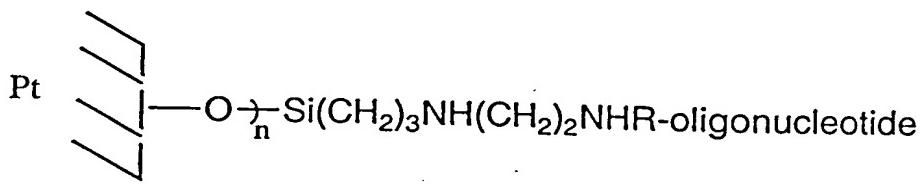


Figure 8B